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APPLICATION NO). F	ILING DATE	FIRST NAMED INVENTOR Toshiyasu Shirasuna	ATTORNEY DOCKET NO.	CONFIRMATION NO. 2694
09/899,188		07/06/2001		35.C15546	
5514	7590	12/13/2002	•		
		LLA HARPER &	EXAMINER		
	EFELLER I RK, NY 10		DANG, THI D		
				ART UNIT	PAPER NUMBER
				1763	6
			DATE MAILED: 12/13/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

				HS-	
		Application No.	Applicant(s)		
		09/899,188	SHIRASUNA ET A	SHIRASUNA ET AL.	
	Office Action Summary	Examiner	Art Unit		
		Thi Dang	1763		
Period f	The MAILING DATE of this communication app or Reply	pears on the cover	sheet with the correspondence add	dress	
THE - Extraordite - If th - If N - Fail - Any	MAILING DATE OF THIS COMMUNICATION. MAILING DATE OF THIS COMMUNICATION. Person Strict (6) MONTHS from the mailing date of this communication. The period for reply specified above is less than thirty (30) days, a reply one period for reply is specified above, the maximum statutory period of the period for reply within the set or extended period for reply will, by statute the reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however within the statutory mining will apply and will expire Sources to a specification to	ver, may a reply be timely filed num of thirty (30) days will be considered timely IX (6) MONTHS from the mailing date of this cobecome ABANDONED (35 U.S.C. § 133).	r. Immunication.	
1)[Responsive to communication(s) filed on				
2a) <u></u> ☐	This action is FINAL . 2b)⊠ Th	is action is non-fin	al.		
3)	closed in accordance with the practice under	ance except for for Ex parte Quayle,	mal matters, prosecution as to the 1935 C.D. 11, 453 O.G. 213.	e merits is	
· _	tion of Claims Claim(s), 1, 11 is/are pending in the application				
4)[Claim(s) <u>1-11</u> is/are pending in the application 4a) Of the above claim(s) <u>1-4</u> is/are withdrawn				
5)[]	Claim(s) is/are allowed.	TOTT CONSIDERATION	ı .		
·	Claim(s) 5 and 7-10 is/are rejected.				
·	Claim(s) <u>6 and 11</u> is/are objected to.				
	Claim(s) are subject to restriction and/o	r election requirem	nent		
	tion Papers	r election requirem	ient.		
9)[The specification is objected to by the Examine	r.			
10)[The drawing(s) filed on is/are: a) ☐ accept	pted or b) objecte	d to by the Examiner.		
	Applicant may not request that any objection to the	e drawing(s) be held	in abeyance. See 37 CFR 1.85(a).		
11)	The proposed drawing correction filed on	_ is: a)∏ approved	d b) disapproved by the Examine	er.	
	If approved, corrected drawings are required in re	ply to this Office acti	on.		
12)[The oath or declaration is objected to by the Ex	aminer.			
Priority	under 35 U.S.C. §§ 119 and 120				
13)⊠	Acknowledgment is made of a claim for foreign	n priority under 35	U.S.C. § 119(a)-(d) or (f).		
a))⊠ All b)□ Some * c)□ None of:				
	1. Certified copies of the priority document	s have been recei	ved.		
	2. Certified copies of the priority document	s have been recei	ved in Application No		
*;	3. Copies of the certified copies of the prior application from the International Bu See the attached detailed Office action for a list	reau (PCT Rule 17	7.2(a)).	Stage	
	Acknowledgment is made of a claim for domesti			application)	
_ 6	a) The translation of the foreign language pro Acknowledgment is made of a claim for domest	visional applicatio	n has been received.	- - - - - - - - - - - - - -	
Attachmer			2.2.0. 33 .20 dilator (21.		
2) 🔲 Noti	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s) _	5) 🔲 1	nterview Summary (PTO-413) Paper No(s Notice of Informal Patent Application (PTC Other:	s) D-152)	

Application/Control Number: 09/899,188 Page 2

Art Unit: 1763

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-4, drawn to a plasma treating method for treating a target surface,
 classified in class 427, subclass 535+.

II. Claims 5-11, drawn to a plasma treating apparatus, classified in class 118, subclass 723R+.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions Groups I and II are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case the method of treating the target substrate may occurred in a single-chamber reactor. In addition the apparatus as claimed can be used to treat a plurality of substrates simultaneously, while the method claims 1-4 are directed to treating a single substrate at a time.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, and because the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.
- 4. During a telephone conversation with Mr. Peter Saxon on 11/15/02 a provisional election was made with traverse to prosecute the invention of group II, claims 5-11. Affirmation of this election must be made by applicant in replying to this Office action. Claims 1-4 are withdrawn

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from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 5 and 7-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Turlot* et al.

Turlot discloses a plasma treatment apparatus having a plurality of plasma chambers (20), each plasma chamber is connected to a high-frequency (RF) power supply (col. 6, line 62 – col. 7, line 21). The plasma chambers of *Turlot* are structurally equivalent to the claimed "reactors." *Turlot* also discloses a plurality of matching networks for chamber specific adjustments (col. 7, lines 5-9). It is known in the art that a matching network has means for regulating the impedance of the plasma reactor. It is obvious then that the different matching networks in *Turlot*'s apparatus would have different means for regulating the impedance of each plasma chamber. The plasma treatment apparatus of *Turlot* meets the structural limitations of the claimed apparatus.

Allowable Subject Matter

Application/Control Number: 09/899,188

Art Unit: 1763

3. Claims 6 and 11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thi Dang whose telephone number is (703) 308-1973. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Mills can be reached on (703) 308-1633. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9310 for regular communications and (703) 872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

Primary Examiner Art Unit 1763 Page 4